CLAIMS

What is claimed is:

1. In a video signal receiver having a component video signal input, a method of processing an input video signal comprising the steps of:

receiving a video signal via the component video signal input, the received video signal having a video format that is one of multiple video formats;

converting the video format of the received video signal to a particular video format if the video format of the received video signal is different than the particular video format; and

providing one of the converted video signal and the received video signal as an output.

2. The method of claim 1, further comprising the step of:

determining the video format of the received video signal before the step of converting the video format of the received video signal.

3. The method of claim 1, wherein the step of receiving a video signal via the component video signal input, the received video signal having a video format that is one of multiple video formats includes receiving a video signal having a video format that is one of an RGB and YUV video format.

4. The method of claim 1, wherein the step of converting the video format of the received video signal to a particular video format if the video format of the received video signal is different than the particular video format comprises converting the video format of the received video signal to a YUV video format if the received video signal is different than the YUV video format.

5. The method of claim 1, further comprising the step of:

selecting one of the converted video signal and the received video signal as an output of the video signal receiver; and

the step of providing one of the converted video signal and the received video signal as an output of the video signal receiver includes providing the selected one of the converted video signal and the received video signal as an output of the video signal receiver.

6. The method of claim 1, wherein the step of converting the video format of the received video signal to a particular video format if the video format of the received video signal is different than the particular video format includes the step of utilizing a video format matrix converter.

7. The method of claim 6, wherein the step of utilizing a video format video converter includes the step of utilizing a video format matrix converter that is operative to convert an RGB video format signal into a YUV video format converter.

8. A video signal receiver comprising:

a component video format input operative to receive a component video signal in one of various video formats;

a video processor in communication with said component video format input and operative to provide video processing of the received component video signal;

a format converter in communication with said video processor and operative to convert the video format of the received video signal to a predetermined video format if the video format of the received video signal is different than the predetermined video format; and

a component video format output in communication with said video processor and said format converter and operative to selectively output one of the received component video signal and the converted video signal.

9. The video signal receiver of claim 8, wherein said various video formats include an RGB video format and a YUV video format.

10. The video signal receiver of claim 9, wherein the predetermined video format is YUV and said format converter comprises an RGB to YUV video format matrix converter.

11. The video signal receiver of claim 8, wherein said component video format output comprises a switch.

12. The video signal receiver of claim 11, further comprising a processor in communication with said switch, said processor operative to provide switch control signals to said switch, and said switch is operative to utilize the switch control signals to select and thus selectively output one of the received component video signal and the converted video signal.

13. The video signal receiver of claim 12, wherein said video processor is further operative to determine if the video format of the received video signal is the same as the predetermined video format.

14. The video signal receiver of claim 13, wherein the video processor is further operative to provide a control signal to said processor to provide the control signal to said switch.

15. A video signal receiver comprising:

a component video input operative to receive a video signal in one of multiple video formats;

means for processing the received video signal;

means for converting the video format of the received video signal into a predetermined video format if the video format of the received video signal is different than the predetermined video format; and

means for providing one of the processed received video signal and the converted video signal to an output of the video signal receiver.

16. The video signal receiver of claim 15, further comprising:

means for determining the video format of the received video signal; and

means operative in response to said means for determining the video format of the received video signal to enable conversion of the video format of the received video signal.

17. The video signal receiver of claim 15, wherein the predetermined video format is YUV.

18. The video signal receiver of claim 17, wherein the multiple video formats includes RGB and YUV.